

Yakshith Kommineni

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I'm a 15-year-old high school student from Toronto, Canada. I'm passionate about emerging technologies like Artificial Intelligence, Brain-Computer Interfaces and Blockchain. The projects that I've created focus on addressing a real problem in our world using unique solutions.

PROJECTS

TikTok Inc.

March 2024 - April 2024

Consultation Project

Worked alongside TikTok to make their platform much more favorable for educational content creators. Came up with two recommendations with key data and metrics backing them up to boost educational engagement and discoverability. Out 100+ groups, we got the opportunity to present our recommendations live to TikTok Executives over Zoom.

MuseChess

April 2024 - May 2024

Neurotechnology

Utilized Brain-Computer Interface technology to enable physically disabled individuals to play chess with just their minds. Specifically using machine learning models to identify patterns to detect when the individual blinks. Based on this, a switch-control UI opens where the user has to blink to move their chess piece

SchizoDetect

May 2024 - June 2024

Neurotechnology

Used machine learning algorithms and neurotechnology to detect Schizophrenia from patients while playing a simple game. With a dataset of 40+ patients that were half health controls and half Schizophrenics, trained a Random Forest model to detect Schizophrenics from the health controls with the electrical signals produced by their brain.

SKILLS

Software: Python, HTML, CSS, JavaScript, C++, Git, Blender, PhotoShop

Tools/Frameworks: Flask, SQLite3, TensorFlow, Bootstrap

Hardware: Arduino, Raspberry Pi, Servo Motors, Sensors, 3D-Printing

Other: Project Managing, Presentation, CNC Machine, Photoshop, Video Editing

EDUCATION & CERTIFICATIONS

High School

Grade 10
Castlebrooke Secondary School

The Knowledge Society

Innovate Student

EXTRACURRICULAR ACTIVITIES

Training Manager

Castlebrooke Model United Nations

Student Activity Council

Grade Representative